

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Simon TAM

Application No.: New U.S. Patent Application

Filed: July 9, 2001

Docket No.: 110032

For: CIRCUIT, DRIVER CIRCUIT, ORGANIC ELECTROLUMINESCENT DISPLAY  
DEVICE ELECTRO-OPTICAL DEVICE, ELECTRONIC APPARATUS, METHOD OF  
CONTROLLING THE CURRENT SUPPLY TO AN ORGANIC  
ELECTROLUMINESCENT PIXEL, AND METHOD FOR DRIVING A CIRCUIT

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office  
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please replace claim 4, 5, 8, 10, 13, 16, 20, 28 and 34 as follows:

4. (Amended) A driver circuit as claimed in claim 2, wherein the first and second switching means are controlled by respective control signals separate from each other.

5. (Amended) A driver circuit as claimed in claim 1, further comprising a third switching means, the third switching means being connected to bias the transistor to act as a diode during the programming stage.

8. (Amended) A driver circuit as claimed in claim 2, wherein an additional transistor is connected in parallel with the said transistor, an additional switching means interconnects the drains of the transistors, and the gate of the additional transistor is connected to the gate of the said transistor.

10. (Amended) A driver circuit as claimed in claim 1, wherein the circuit is implemented with polysilicon thin film transistors.

13. (Amended) An electroluminescent display device comprising one or more driver circuits as claimed in claim 1.

16. (Amended) A driver circuit as claimed in claim 1, wherein the said transistor is a p-channel thin film transistor.

20. (Amended) The circuit according to claim 18, further comprising a transistor for controlling a current supplied to the current driven element.

28. (Amended) The circuit according to claim 18, wherein the current driven element is an organic electroluminescent element.

34. (Amended) The circuit according to claim 18, wherein the second current path is connected to a current sink.

REMARKS

Claims 1 - 38 are pending. By this Preliminary Amendment, claims 4, 5, 10, 13, 16, 20, 28 and 34 are amended to remove multiple dependencies. Prompt and favorable examination on the merits is respectfully requested.

The attached Appendix includes marked-up copies of each rewritten claim (37 C.F.R. 1.121(c)(1)(ii)).

Respectfully submitted,



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Attachment:  
Appendix  
Date: July 9, 2001

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## APPENDIX

## Changes to Claims:

The following are marked-up versions of the amended claims:

4. (Amended) A driver circuit as claimed in claim 2 ~~or 3~~, wherein the first and second switching means are controlled by respective control signals separate from each other.

5. (Amended) A driver circuit as claimed in ~~any of claims 1 to 4~~ claim 1, further comprising a third switching means, the third switching means being connected to bias the transistor to act as a diode during the programming stage.

8. (Amended) A driver circuit as claimed in ~~any of claims 2 to 7~~ claim 2, wherein an additional transistor is connected in parallel with the said transistor, an additional switching means interconnects the drains of the transistors, and the gate of the additional transistor is connected to the gate of the said transistor.

10. (Amended) A driver circuit as claimed in ~~any preceding claim~~ claim 1, wherein the circuit is implemented with polysilicon thin film transistors.

13. (Amended) An electroluminescent display device comprising one or more driver circuits as claimed in ~~any of claims 1 to 10~~ claim 1.

16. (Amended) A driver circuit as claimed in ~~any of claims 1 to 10~~ claim 1, wherein the said transistor is a p-channel thin film transistor.

20. (Amended) The circuit according to claim 18 ~~or claim 19~~, further comprising a transistor for controlling a current supplied to the current driven element.

28. (Amended) The circuit according to claim 18 ~~or claim 19~~, wherein the current driven element is an organic electroluminescent element.

34. (Amended) The circuit according to claim 18 ~~or claim 19~~, wherein the second current path is connected to a current sink.